

WHAT IS CLAIMED IS:

1. A conductive plastic composition comprising:

(I) a copolymer comprising a styrene block and a conjugated diene block;

(II) a copolymer comprising a styrene block and an acrylate type block; and

(III) carbon black;

said composition containing from 0.1 to 50 parts by weight of the copolymer (II) comprising the styrene block and the acrylate type block per 100 parts by weight of the copolymer (I) comprising the styrene block and the conjugated diene block; and from 5 to 50 parts by weight of the carbon black (III) per 100 parts by weight of the copolymer (I) comprising the styrene block and the conjugated diene block.

2. The composition according to Claim 1, wherein the conjugated diene block of the copolymer (I) comprising the styrene block and the conjugated diene block is butadiene or isoprene.

3. The composition according to Claim 1, wherein the copolymer (I) comprising the styrene block and the conjugated diene block comprises at least one (Ia) a star block having a styrene content of from 50 to 95 wt %, and at least another one (Ib) a star or linear block having a styrene content of from 5 to 50 wt %.

4. The composition according to Claim 1, wherein the acrylate type block of the copolymer (II) comprising the styrene block and the acrylate type block is selected from the group consisting of methyl acrylate, methyl methacrylate, n-butyl acrylate, and the mixture thereof.

5. The composition according to Claim 1, wherein the copolymer (II) comprising the styrene block and the acrylate type block has an acrylate content of from 10 to 60 wt %.

6. The composition according to Claim 1, wherein the carbon black (III) is selected from the group consisting of furnace black, channel black, super conductive furnace, and electric conductive furnace.

7. The composition according to Claim 1 further comprising (IV) an olefin type resin; and the conductive plastic composition contains from 0.1 to 30 parts by weight of the olefin type resin (IV) per 100 parts by weight of the copolymer (I) comprising the styrene block and the conjugated diene block.

8. The composition according to Claim 7, wherein the olefin type resin (IV) is a copolymer of ethylene and α -olefin type resin.

9. The composition according to Claim 7, wherein the olefin type resin (IV) is selected from the group consisting of an ethylene and vinyl acetate copolymer, an ethylene and α -olefin copolymer, an ethylene and methacrylate copolymer, and the mixtures thereof.

10. The composition according to Claim 7, wherein the olefin type resin (IV) is an ethylene and vinyl acetate copolymer.

11. The composition according to Claim 10, wherein the amount of vinyl acetate is from 3 to 30 %.

12. The composition according to Claim 1, further comprising (V) a polystyrene base resin; wherein the conductive plastic composition contains from 1 to 20 parts by weight of the polystyrene base resin (V) per 100 parts by weight of the copolymer (I) comprising the styrene block and the conjugated diene block.

13. The composition according to Claim 12, wherein the

polystyrene base resin (V) is selected from the group consisting of a high impact polystyrene resin, a blended polystyrene base resin, and the mixtures thereof.

14. The composition according to Claim 1, further comprising an additive.

15. The composition according to Claim 14, wherein the additive is selected from the group consisting of a lubricant, a plasticizer, a processing assistant, a reinforcing agent and other resin components to improve the flow properties of the composition and the dynamic properties of a molded product, and the mixture thereof.

16. A conductive plastic sheet, comprising the composition according to Claim 1.

17. A conductive plastic sheet, comprising the composition according to Claim 2.

18. A conductive plastic sheet, comprising the composition according to Claim 3.

19. A conductive plastic sheet, comprising the composition according to Claim 4.

20. A conductive plastic sheet, comprising the composition according to Claim 5.

21. A conductive plastic sheet, comprising the composition according to Claim 6.

22. A conductive plastic sheet, comprising the composition according to Claim 7.

23. A conductive plastic sheet, comprising the composition according to Claim 8.

24. A conductive plastic sheet, comprising the composition according to Claim 9.

25. A conductive plastic sheet, comprising the composition according to Claim 10.

26. A conductive plastic sheet, comprising the composition according to Claim 11.

27. A conductive plastic sheet, comprising the composition according to Claim 12.

28. A conductive plastic sheet, comprising the composition according to Claim 13.

29. A conductive plastic sheet, comprising the composition according to Claim 14.

30. A conductive plastic sheet, comprising the composition according to Claim 15.

31. The conductive plastic sheet according to Claim 16, which has a surface resistivity of from 10^2 to $10^{10} \Omega$.

32. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 1.

33. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 2.

34. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the

substrate layer, wherein the surface layer comprises the composition according to Claim 3.

35. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 4.

36. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 5.

37. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 6.

38. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 7.

39. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 8.

40. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 9.

41. A conductive composite plastic sheet comprising a substrate

layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 10.

42. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 11.

43. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 12.

44. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 13.

45. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 14.

46. A conductive composite plastic sheet comprising a substrate layer and a conductive surface layer laminated on at least one side of the substrate layer, wherein the surface layer comprises the composition according to Claim 15.

47. A conductive composite plastic sheet comprising a substrate layer and the conductive surface layer according to Claim 31, wherein the conductive layer is laminated on at least one side of the substrate layer.

48. An electroconductive composite plastic container obtained by

forming the conductive composite plastic sheet according to Claim 32 by a process selected from the group consisting of pressure forming, vacuum forming and thermoforming.